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NEW JERSEY BULLETIN NO. NJ210-4-1

SUBJECT: ENG – Engineering Field Handbook Supplement
Rainfall Frequency Data

Purpose: To distribute a supplement to Chapter 2 of the Engineering Field Handbook revising rainfall frequency data for New Jersey.

Effective Date: Effective upon receipt.

County rainfall frequency data for New Jersey has been revised following a study conducted by the National Oceanic and Atmospheric Administration (NOAA) for the Ohio River Basin and Surrounding States. This study incorporates rainfall data collected since National Weather Service Technical Paper 40 was developed in the early 1960's. The revised data contained in NOAA Atlas 14 replaces TP-40 rainfall frequency values for New Jersey. This revised data will need to be incorporated into the county rainfall tables used by the EFH-2 and WinTR55 software.

The attached table of average county rainfall frequency data was developed by NRCS based on the individual weather station values contained in NOAA Atlas 14. Rainfall frequency values for the individual weather stations can be accessed through the Hydrometeorological Design Studies Center (HDSC) Precipitation Frequency Data Server at <http://hdsc.nws.noaa.gov>.

Our National Water and Climate Center will be undertaking a subsequent study to see if any changes need to be made to storm distributions due to the updated rainfall information. Currently, the Type III storm distribution is recommended throughout New Jersey. The study will begin this fall.

Filing Instructions: Remove Exhibit 2 NJ 2 dated March 1978 from Chapter 2 of the Engineering Field Handbook and replace with the revision.

DAVID LAMM, PE
State Conservation Engineer

Enclosure

Dist: O